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FIG. 1

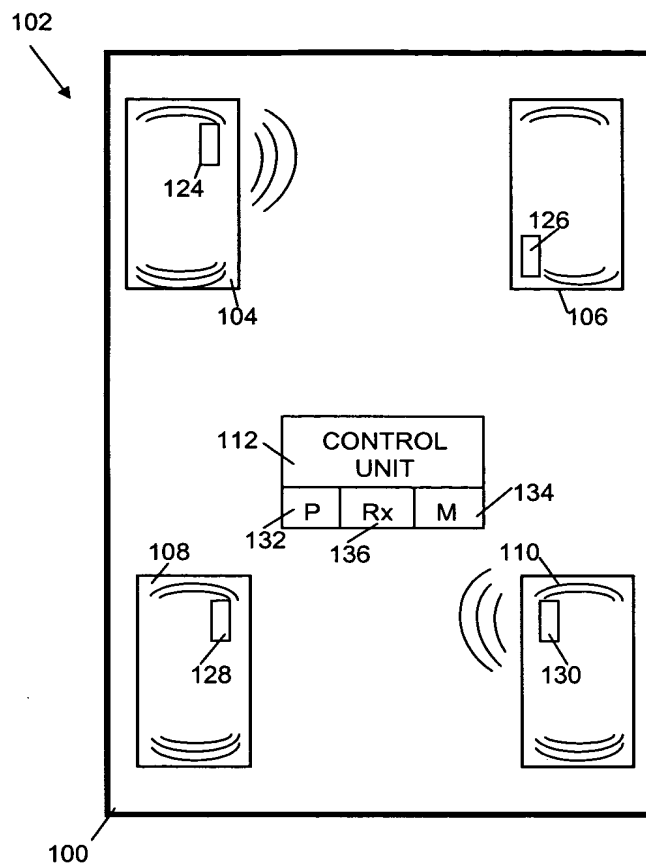
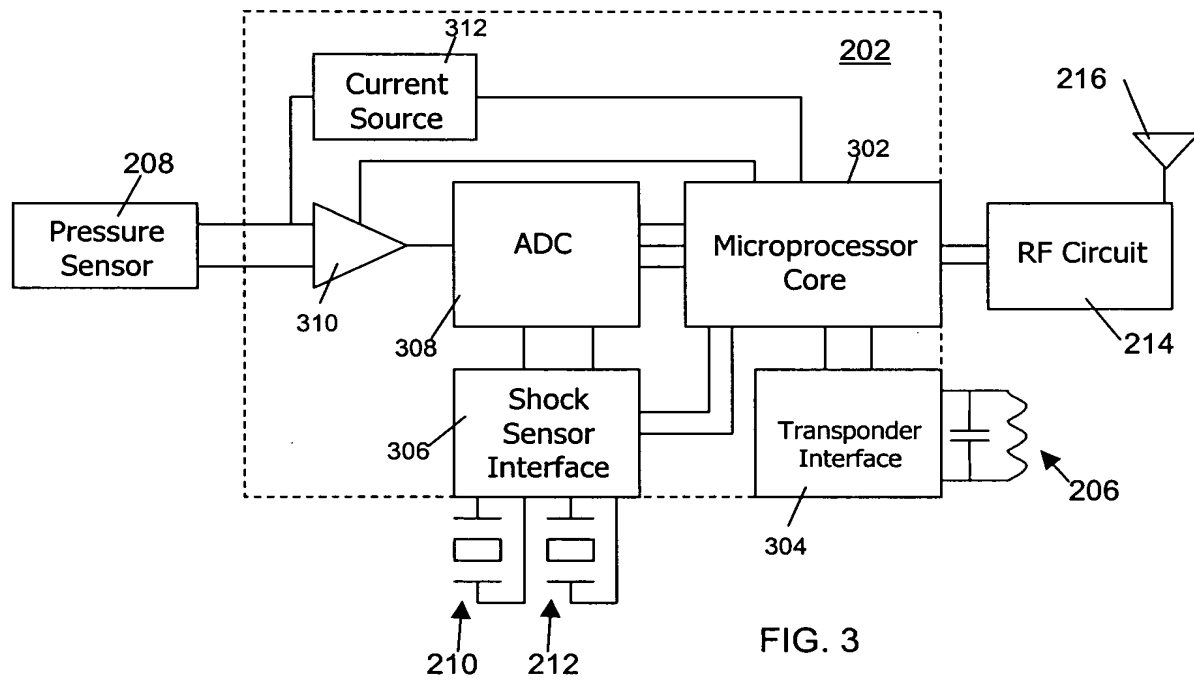
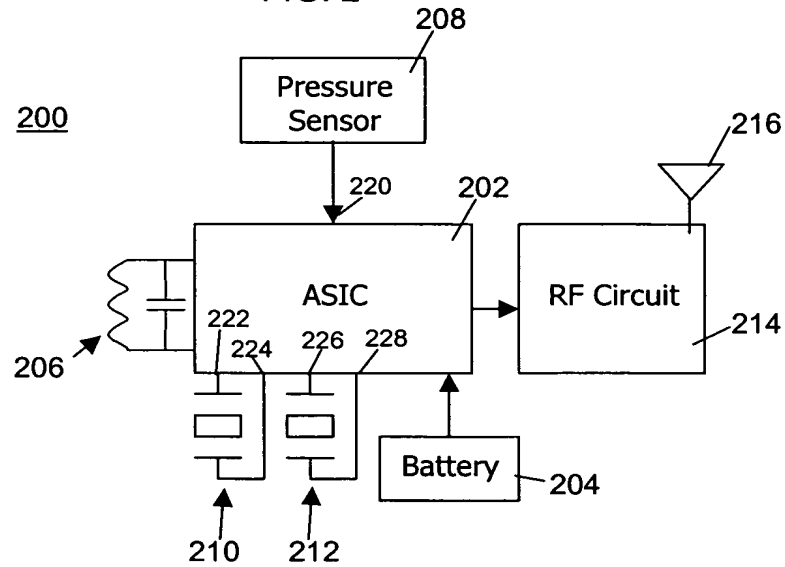
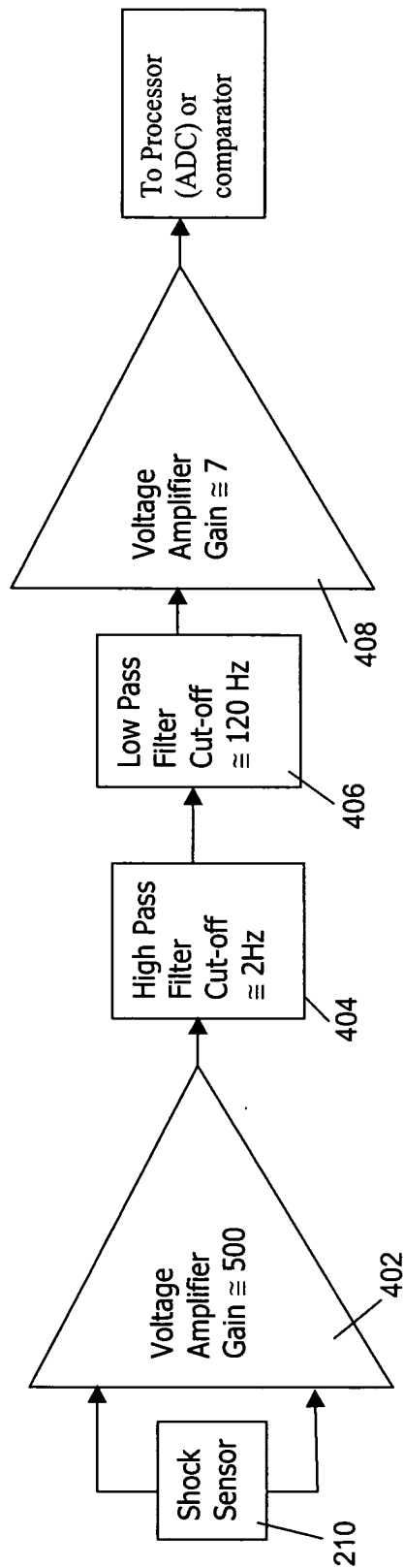


FIG. 2





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FIG. 4

FIG. 5

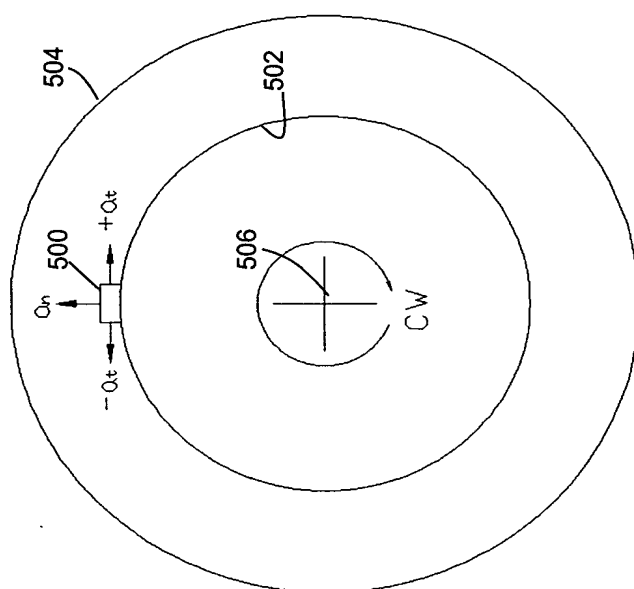
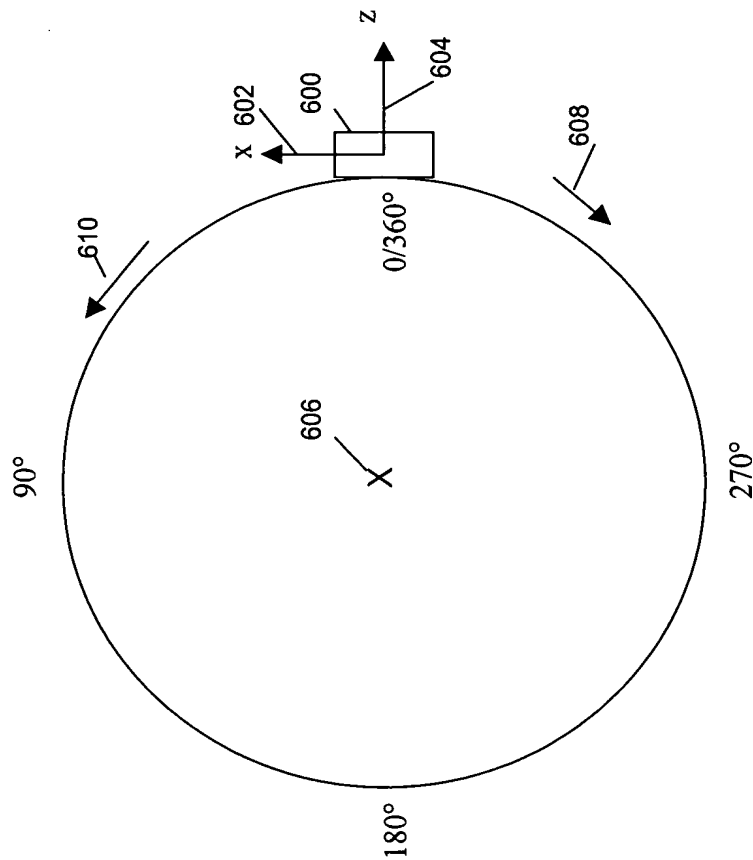
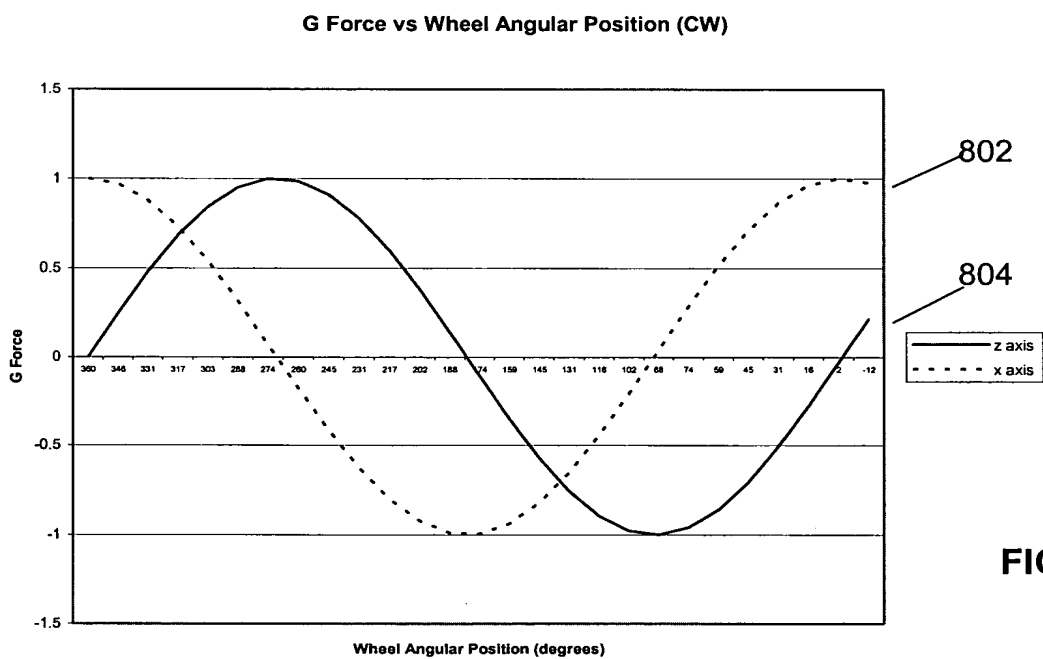
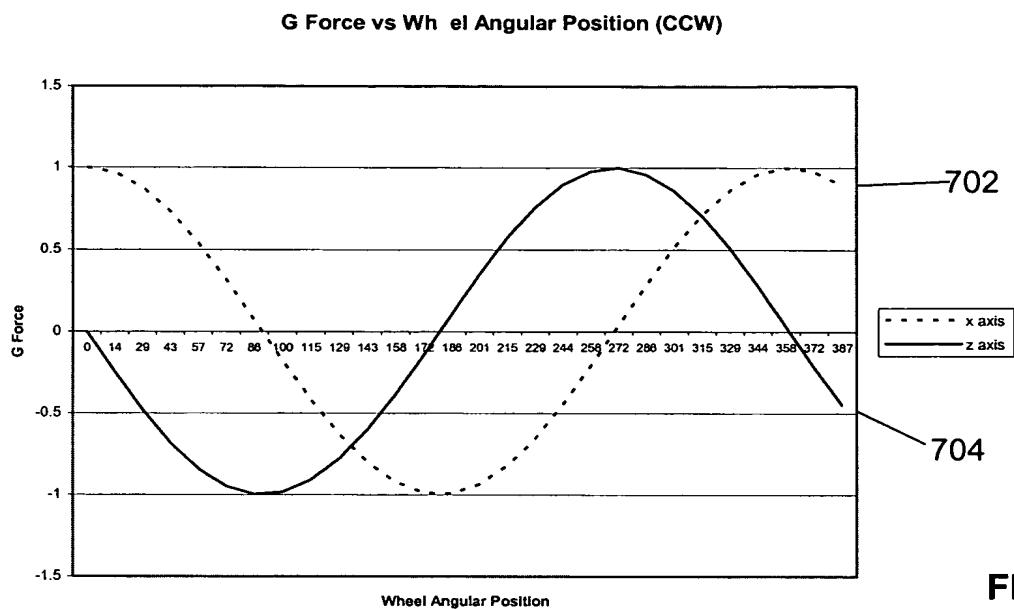


FIG. 6





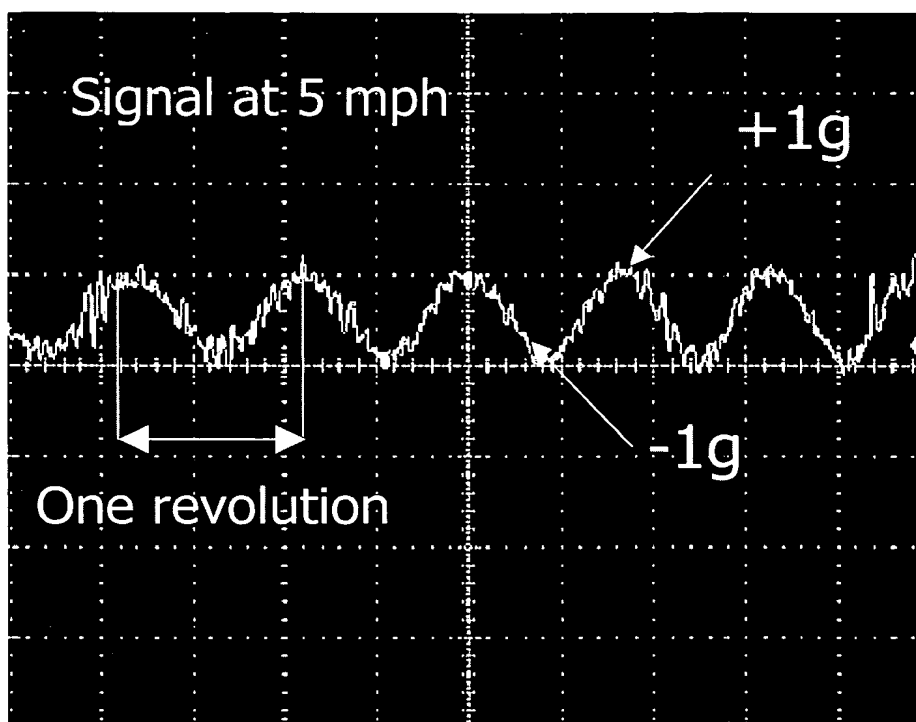


FIG. 9

(a)

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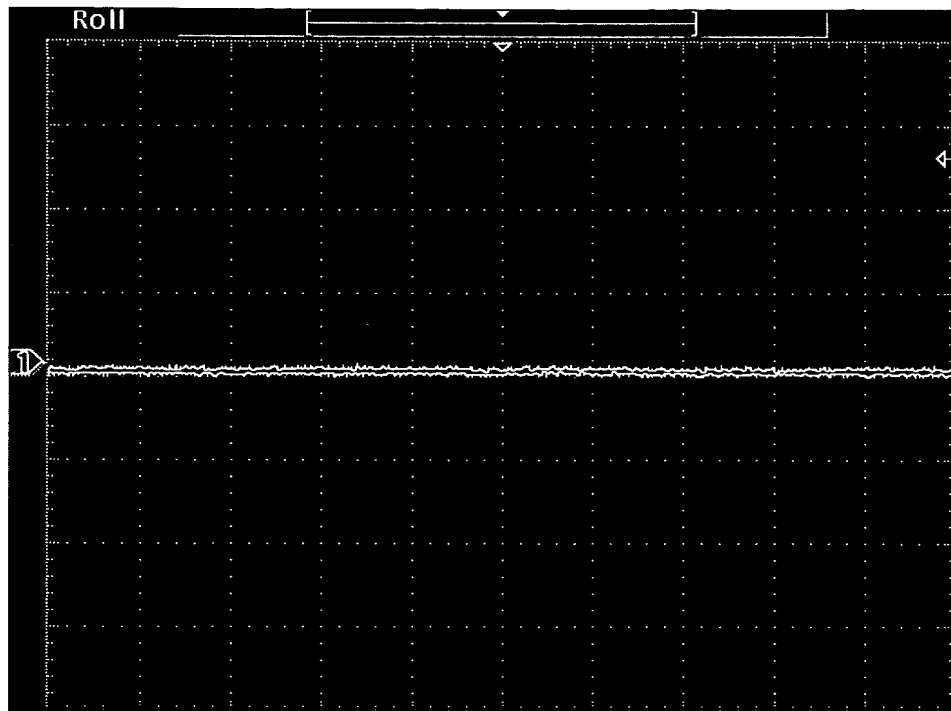
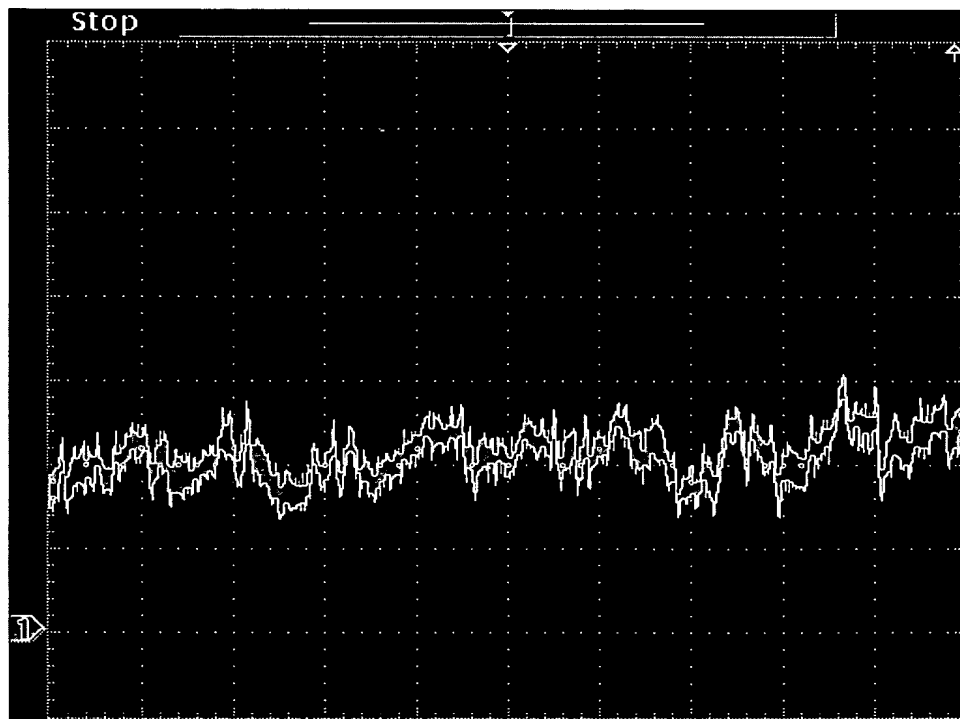


FIG. 9

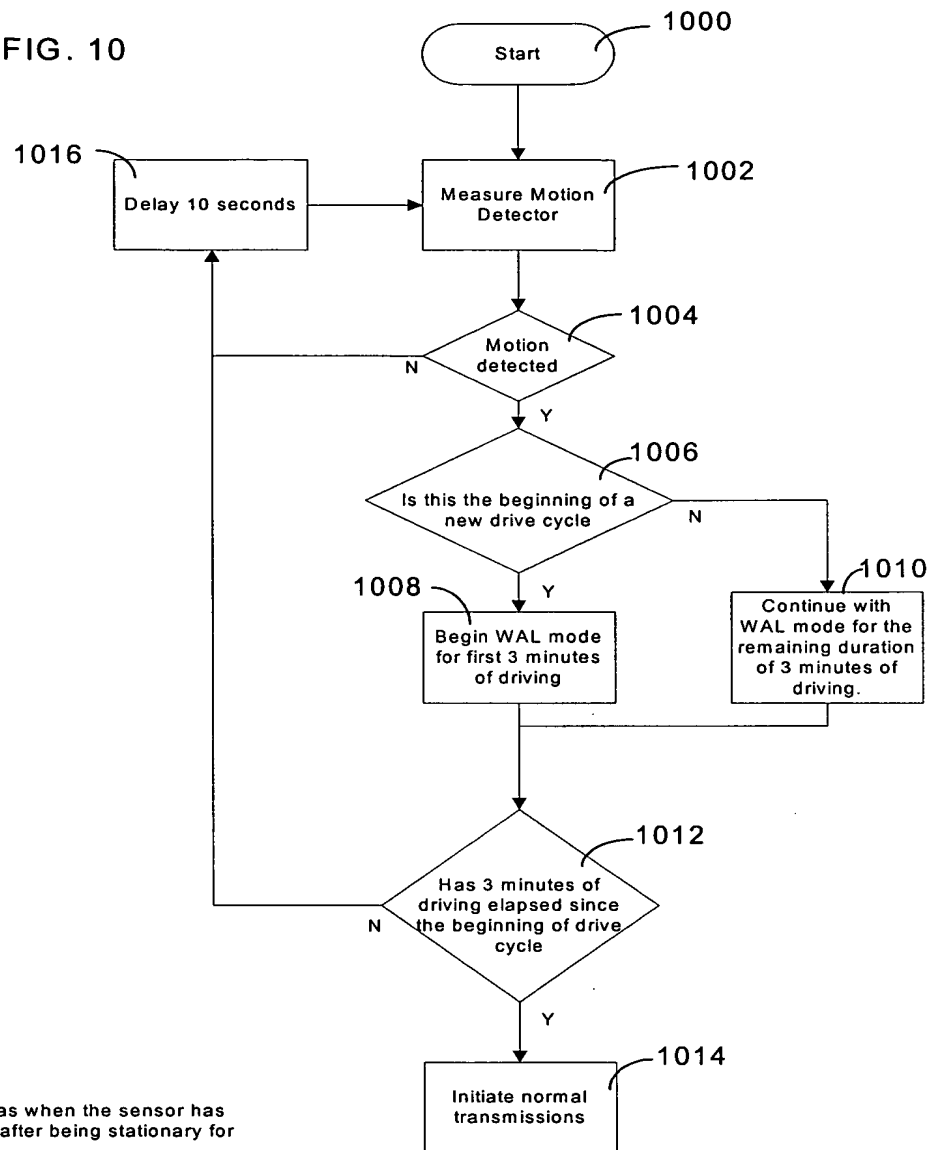
(b)



(c)

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FIG. 10



A new drive cycle is defined as when the sensor has returned to a state of motion after being stationary for at least 10 minutes

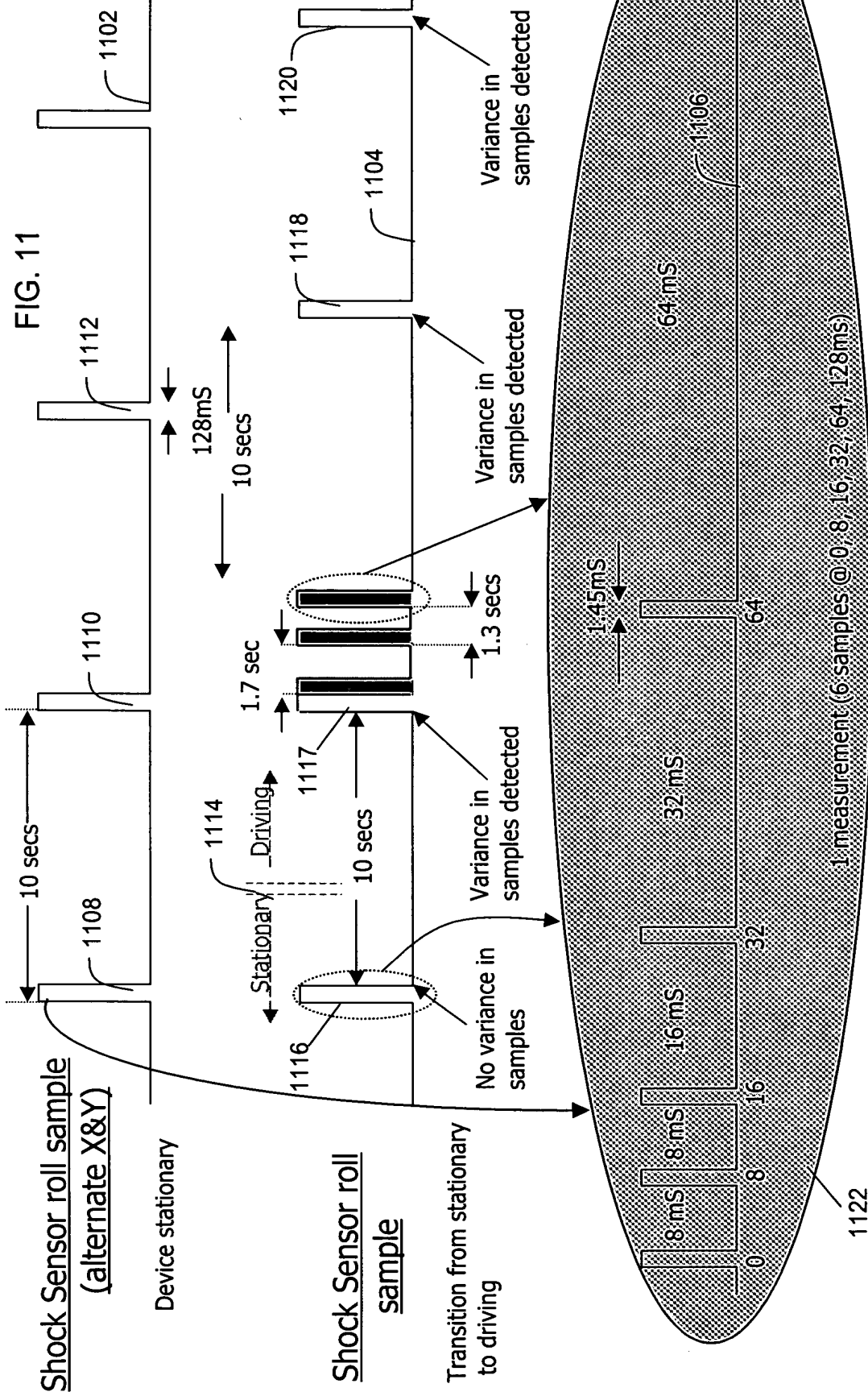


FIG. 12

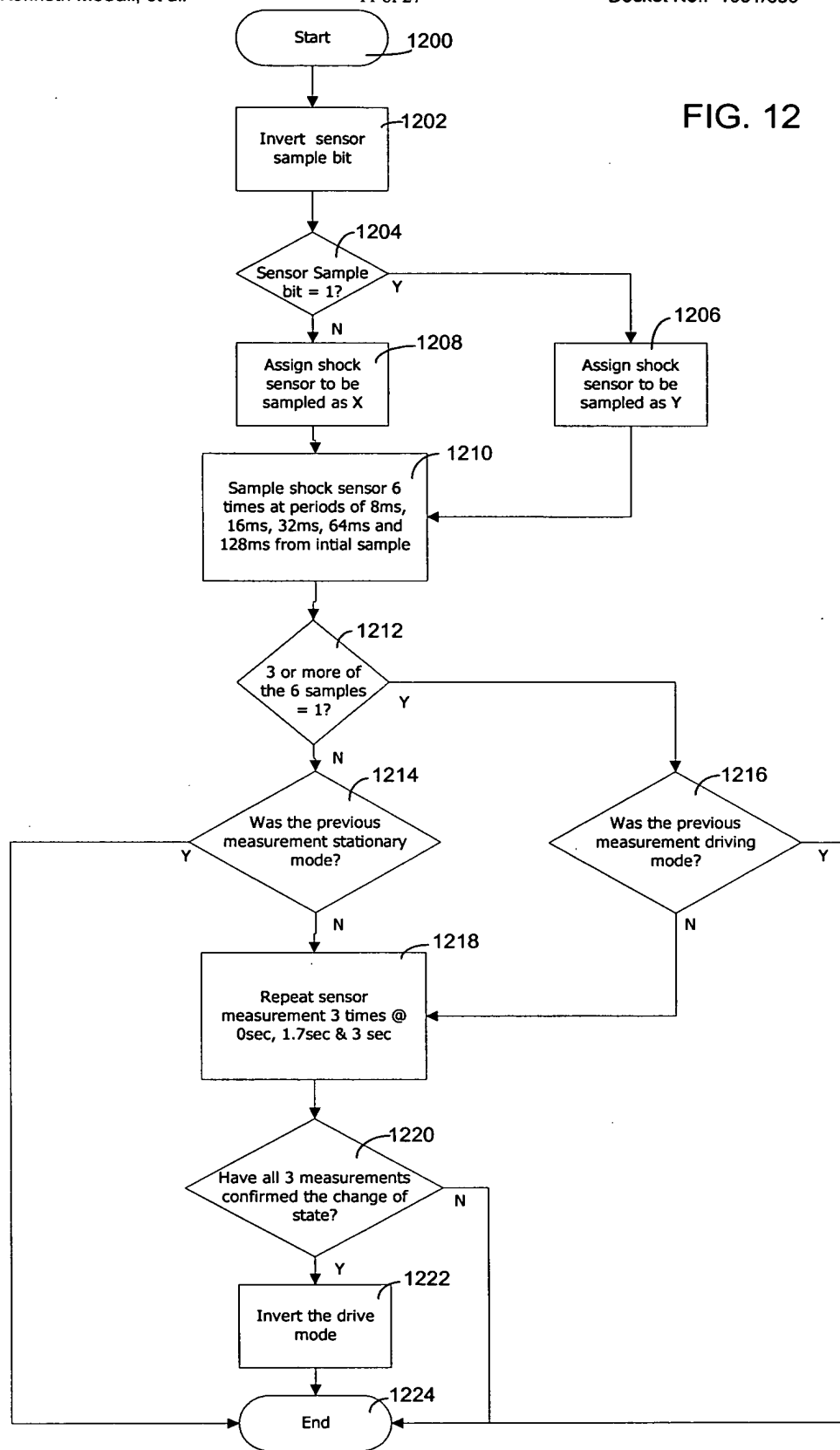
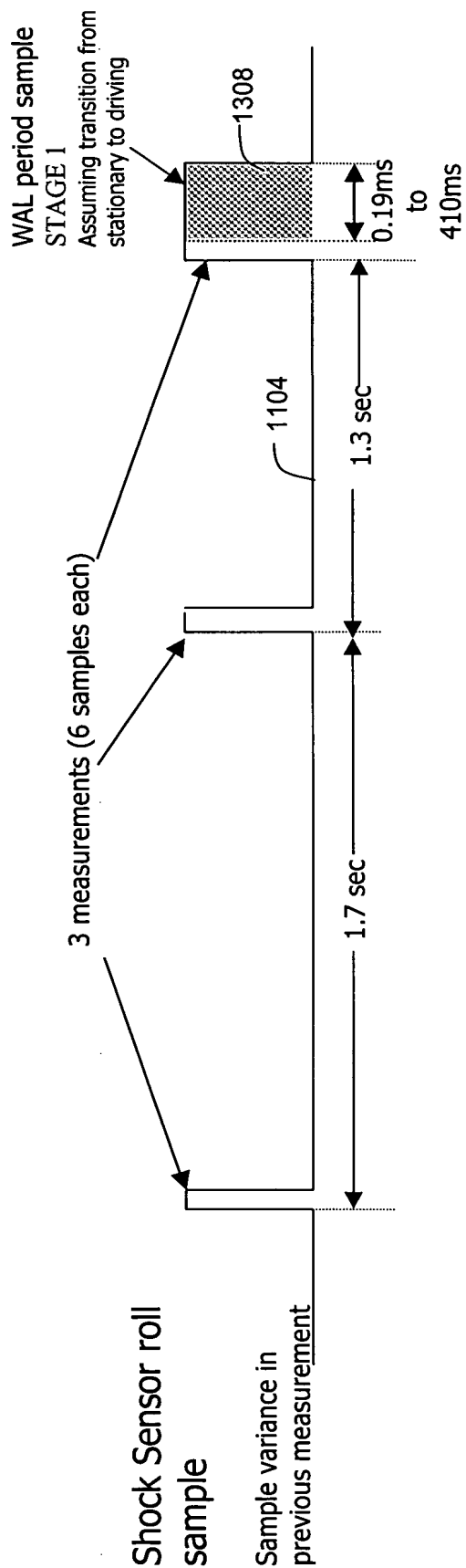
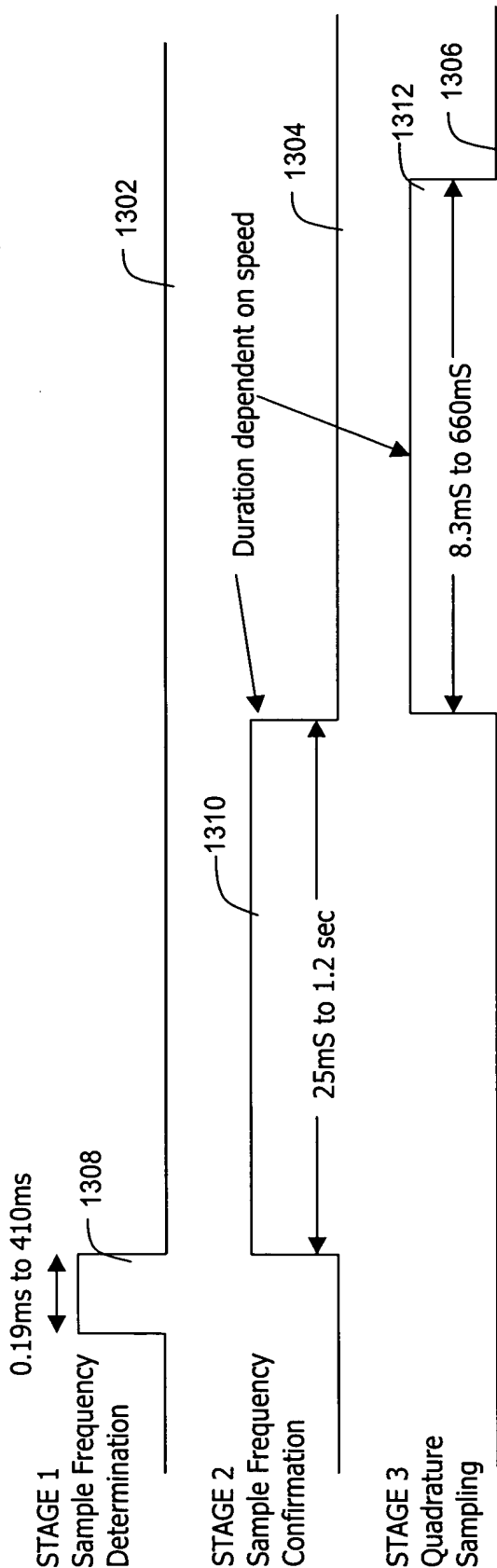
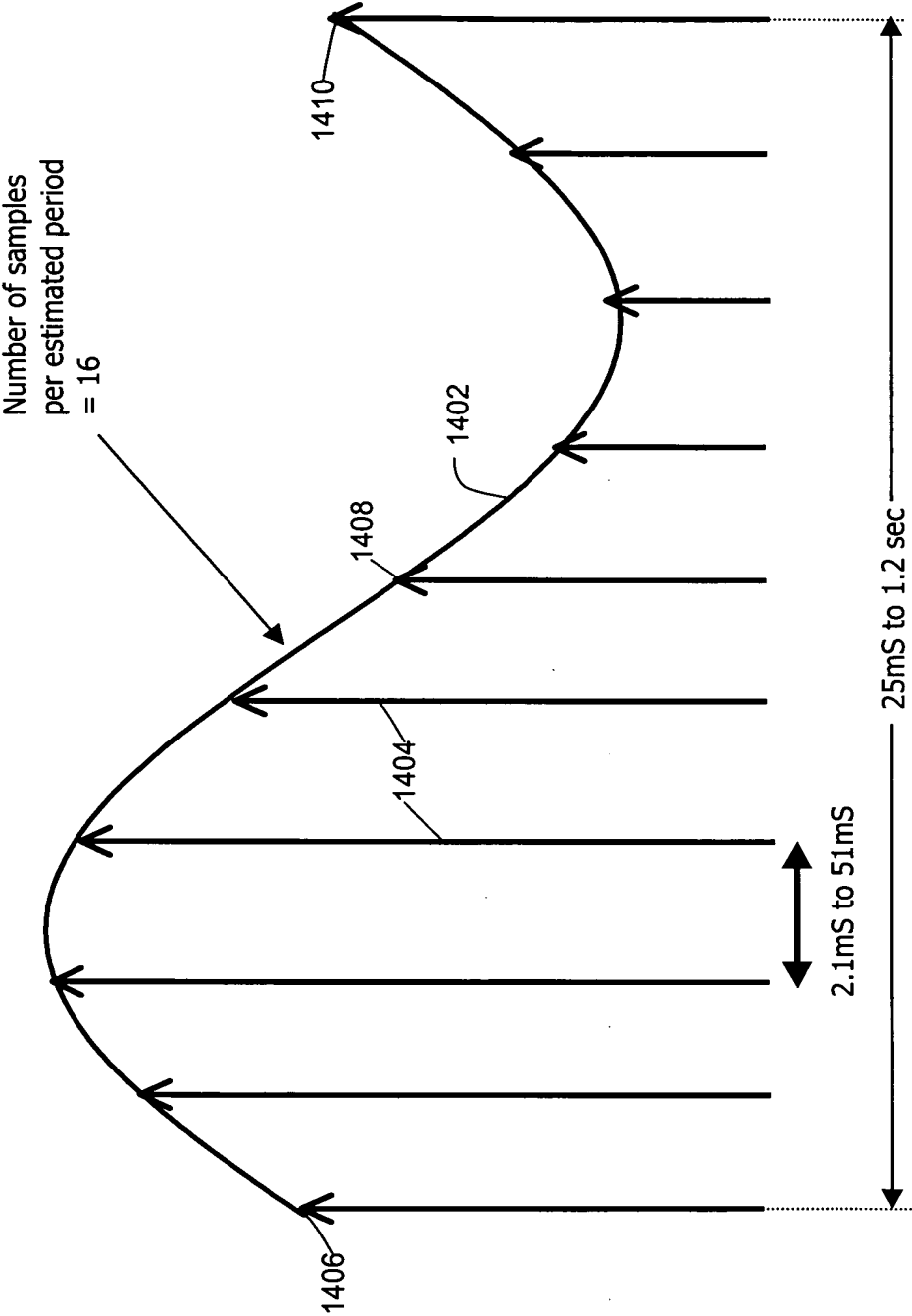


FIG. 13



STAGE 2  
Frequency  
Confirmation

FIG. 14



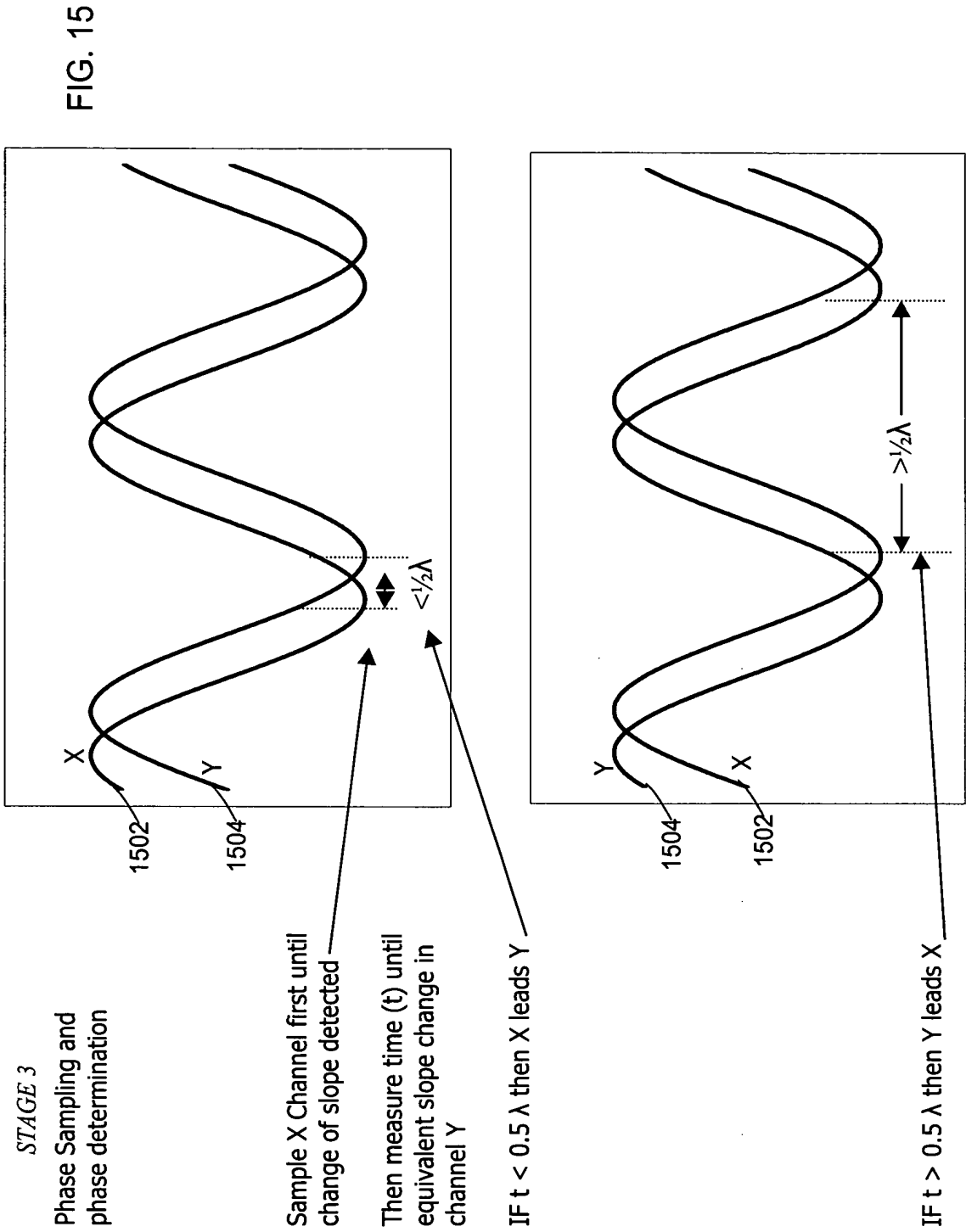


FIG. 16

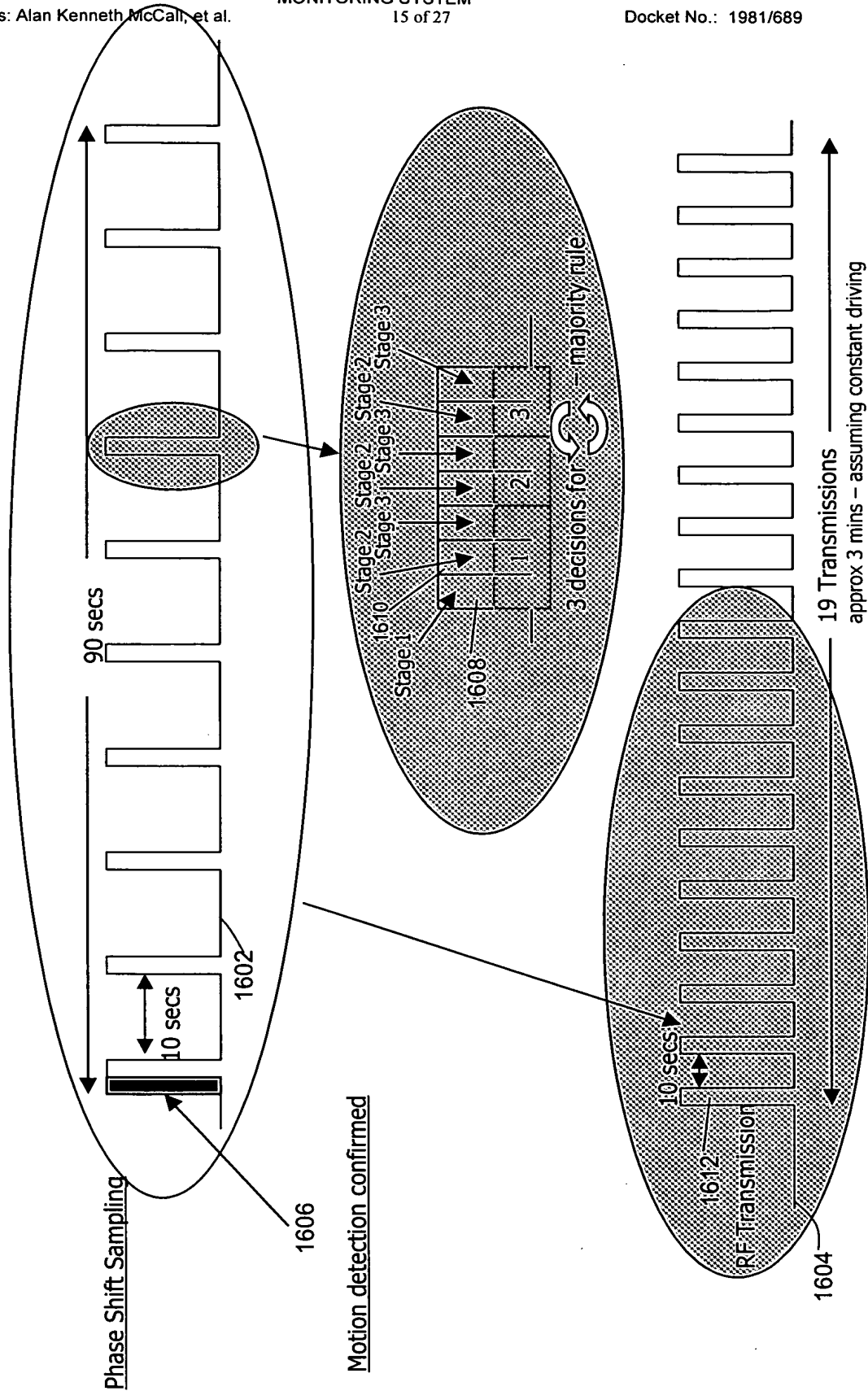




FIG. 17

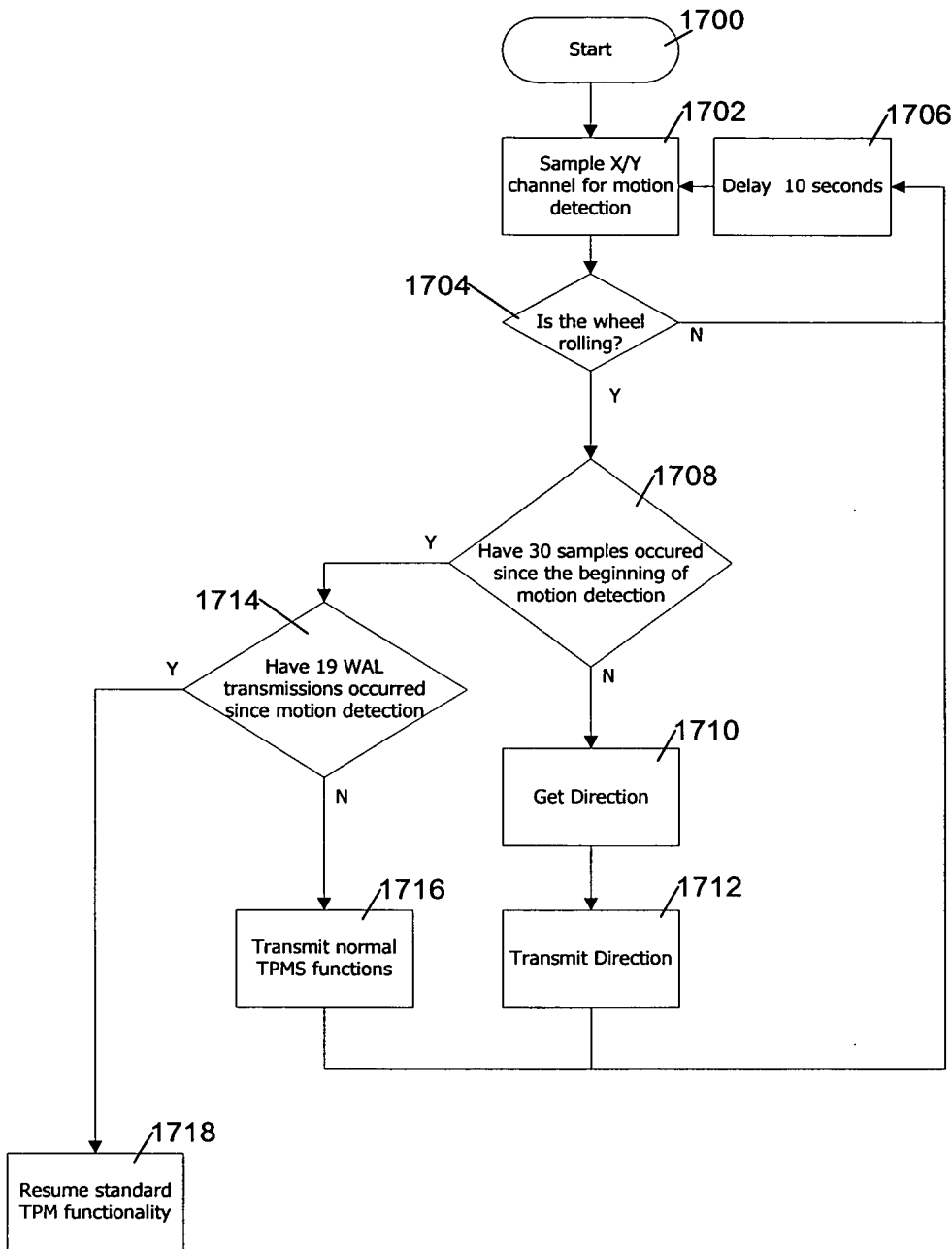


FIG. 18

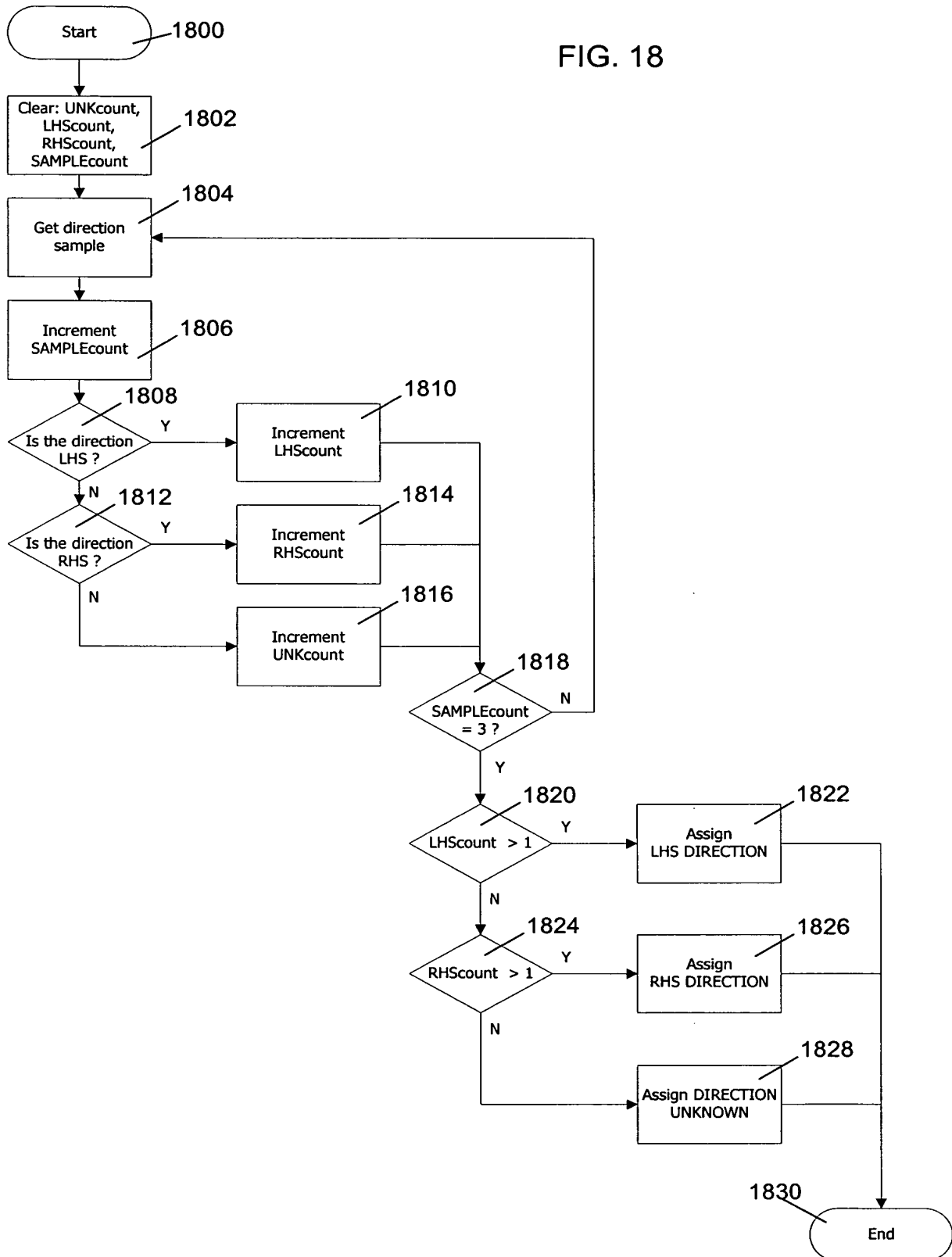
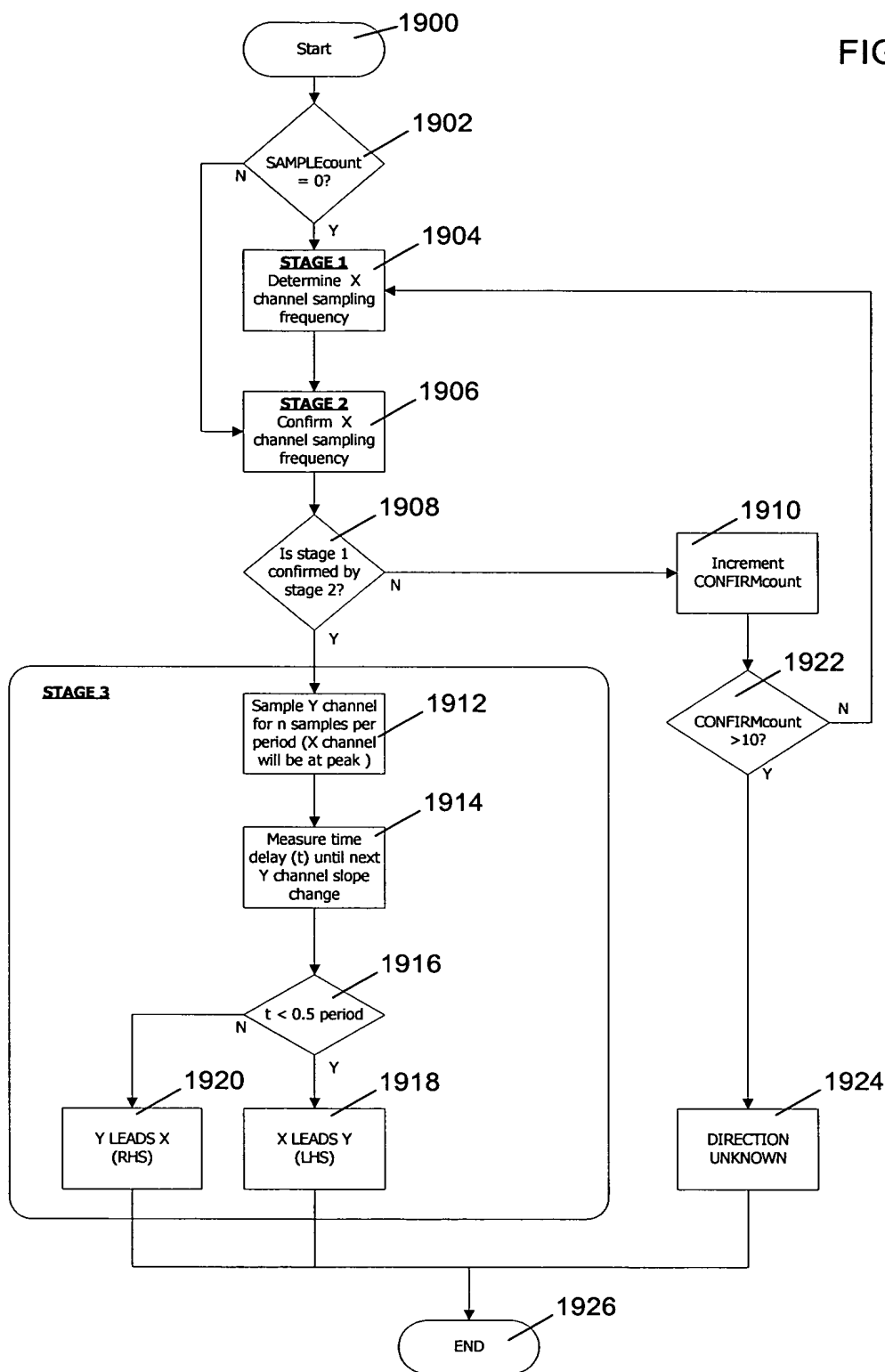


FIG. 19



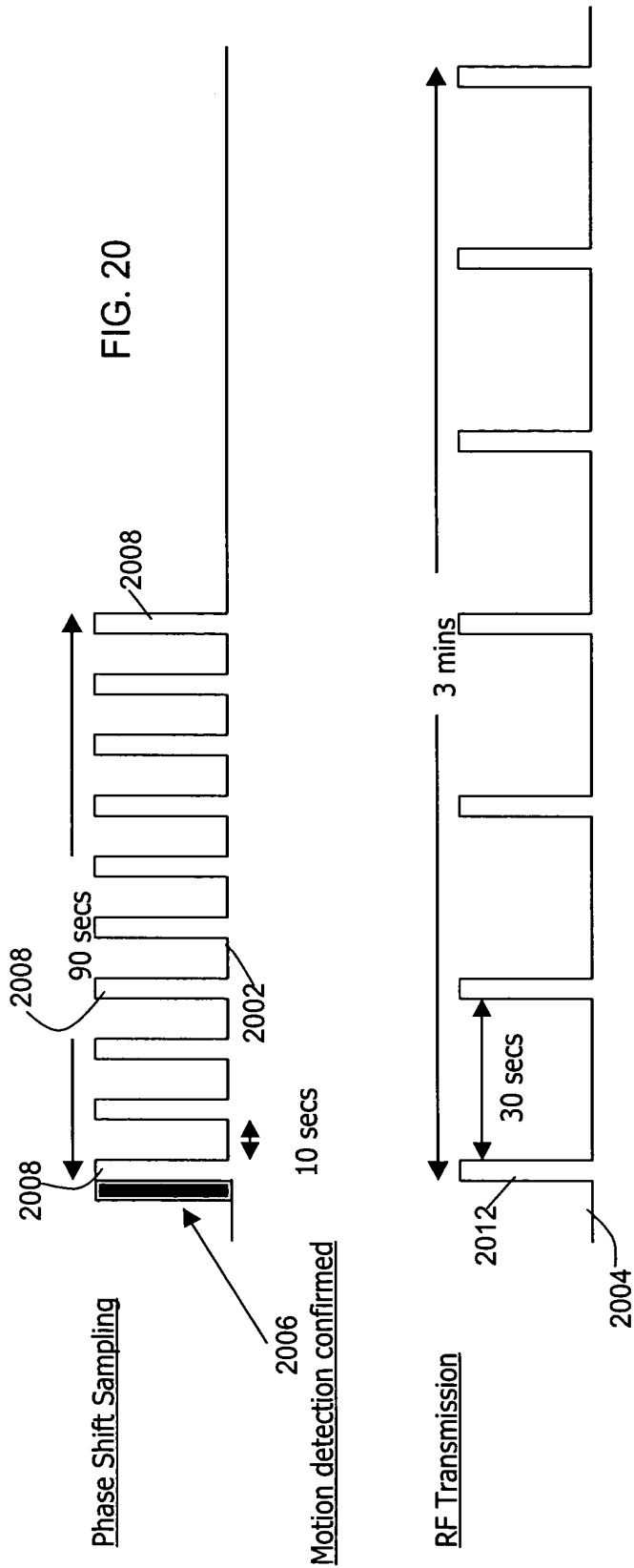


FIG. 21

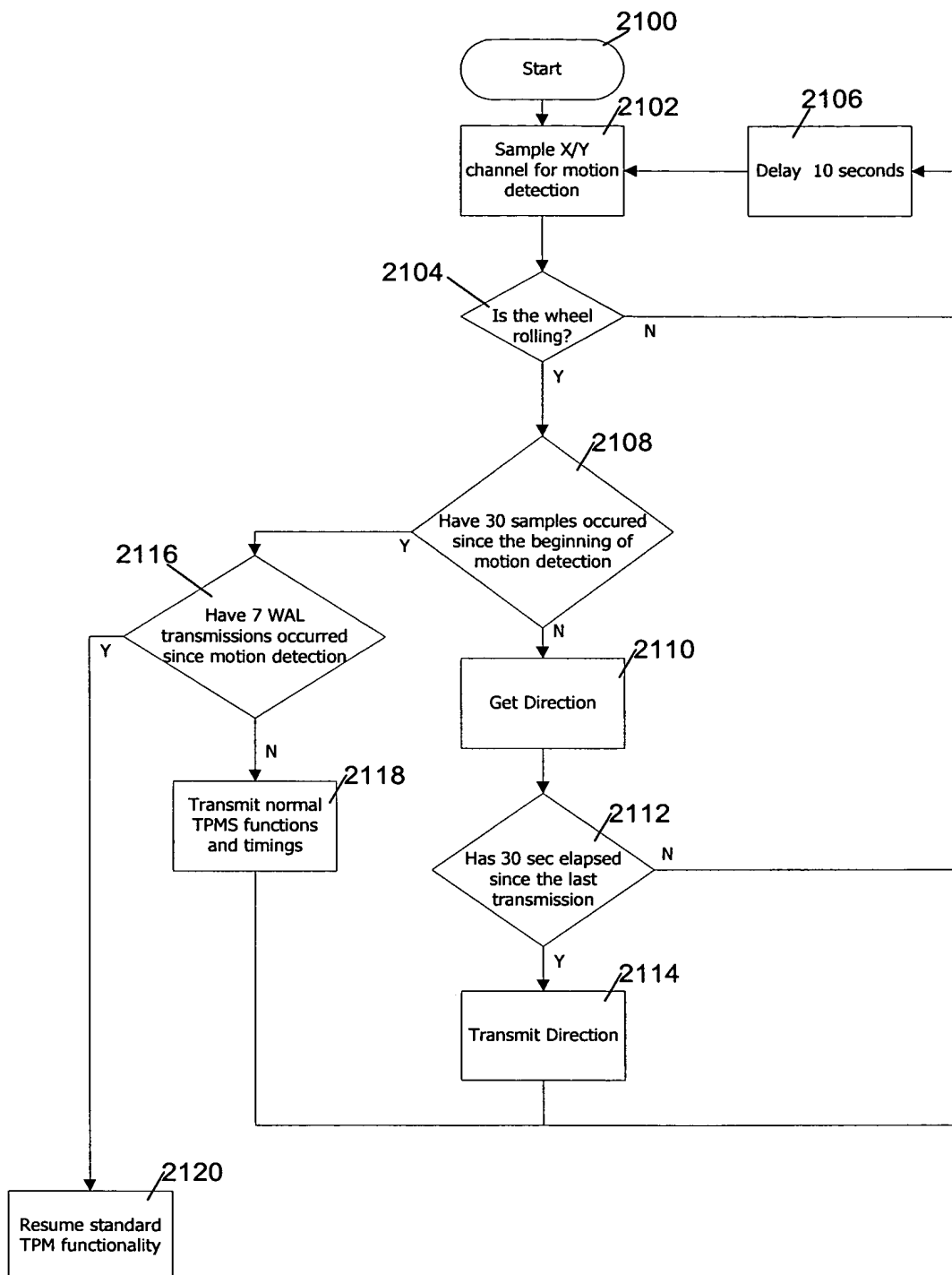


FIG. 22

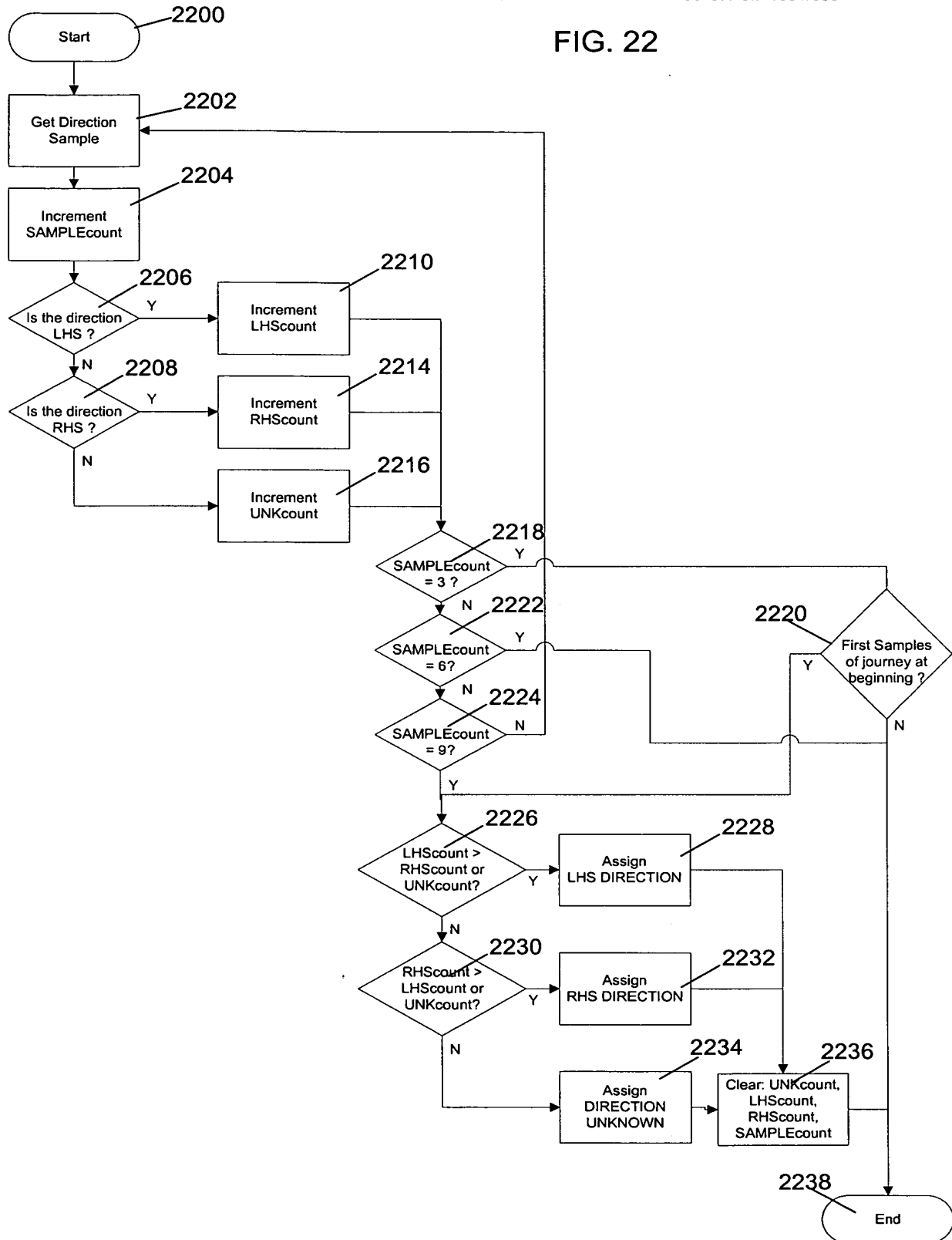


FIG. 23

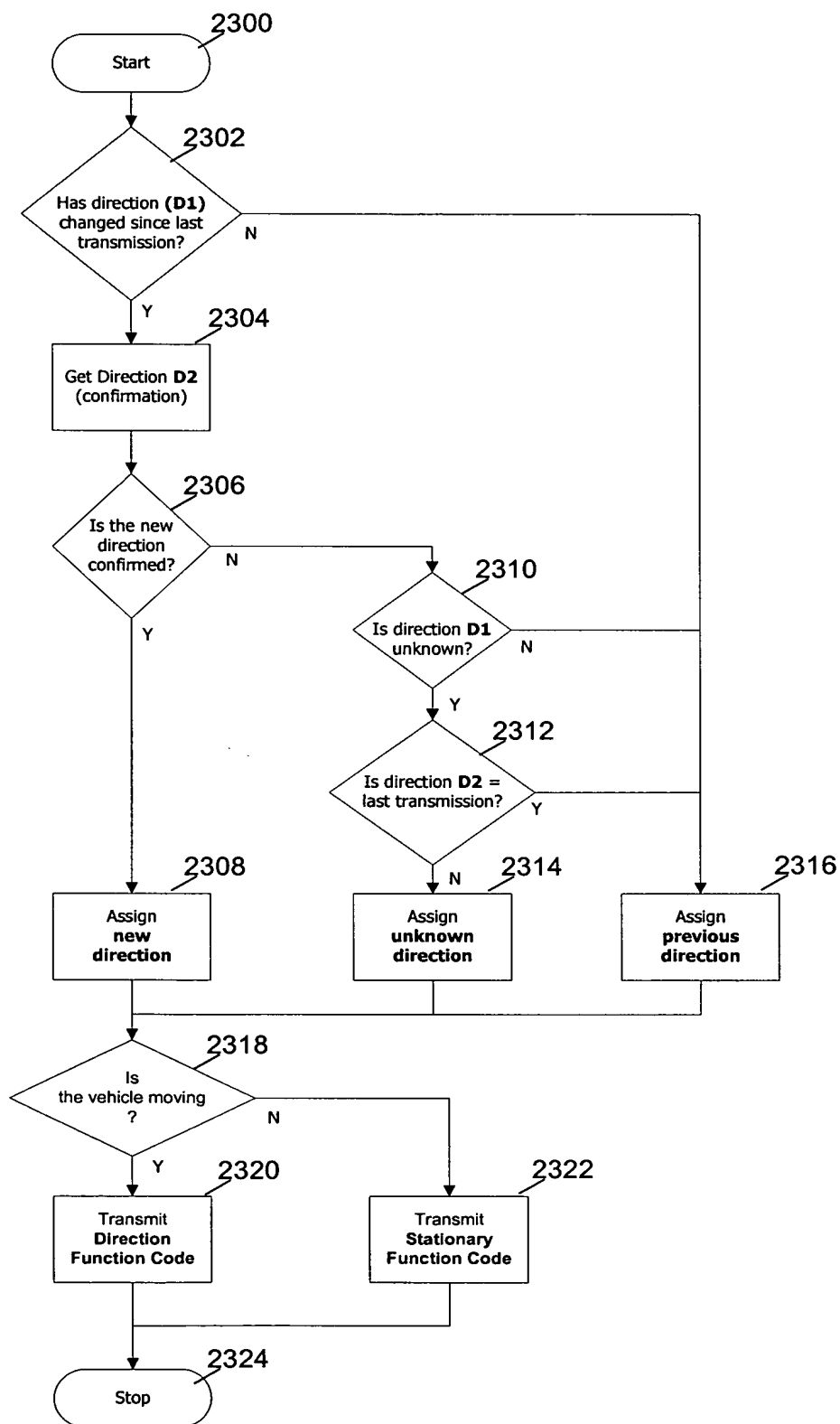
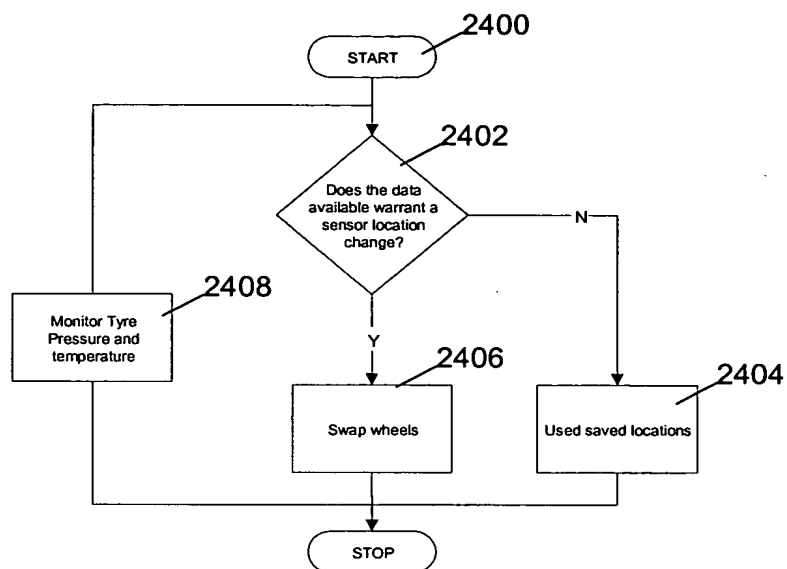


FIG. 24





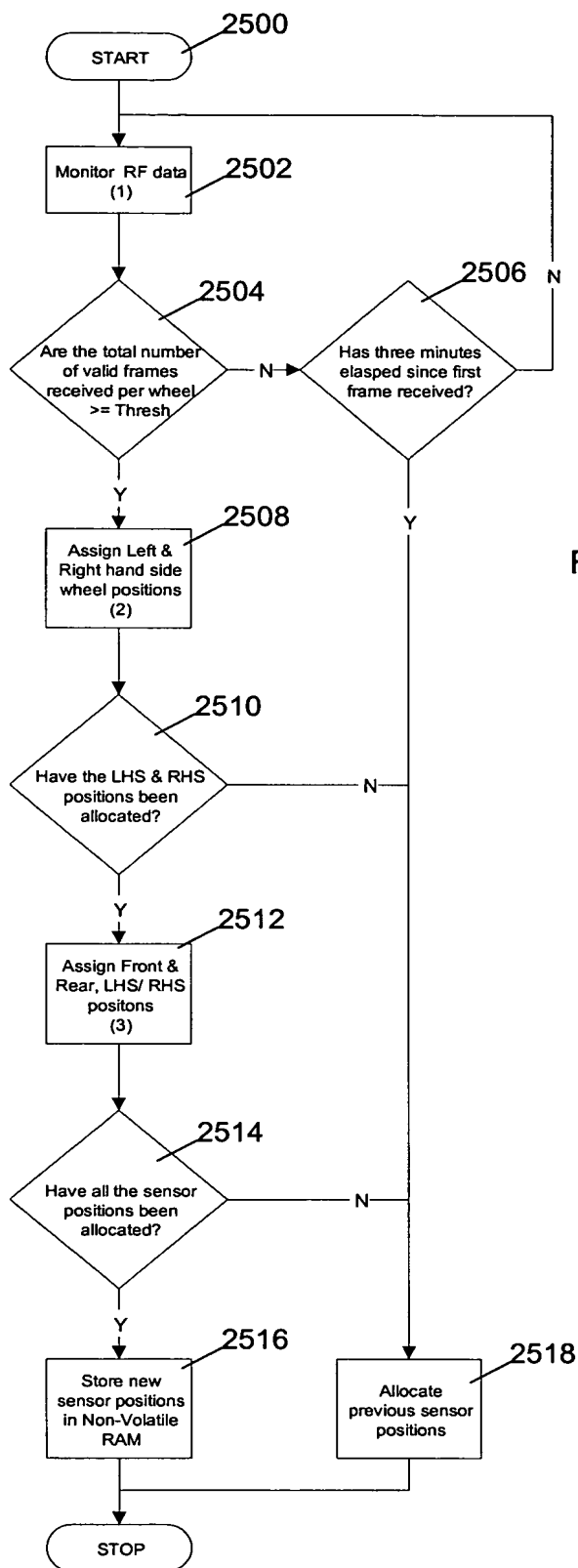


FIG. 25

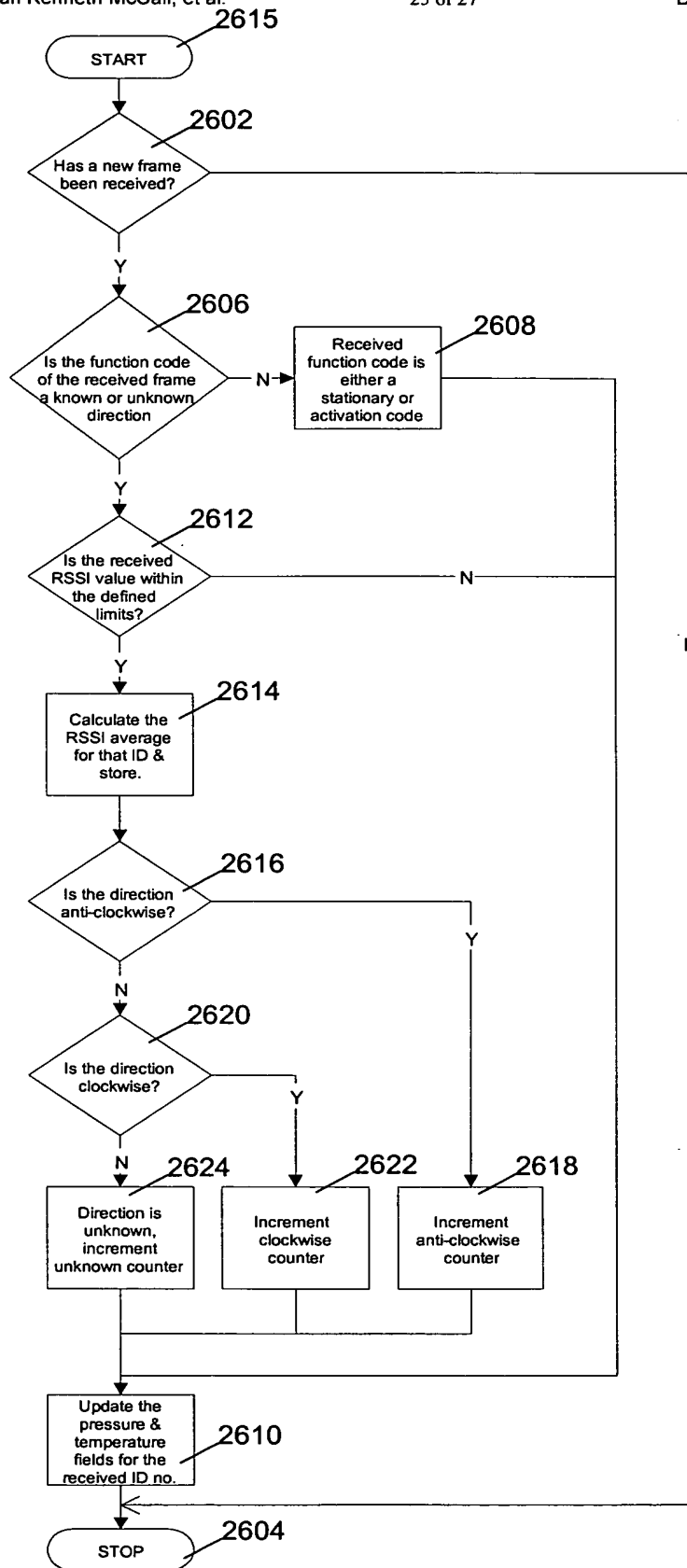


FIG. 26

FIG. 27

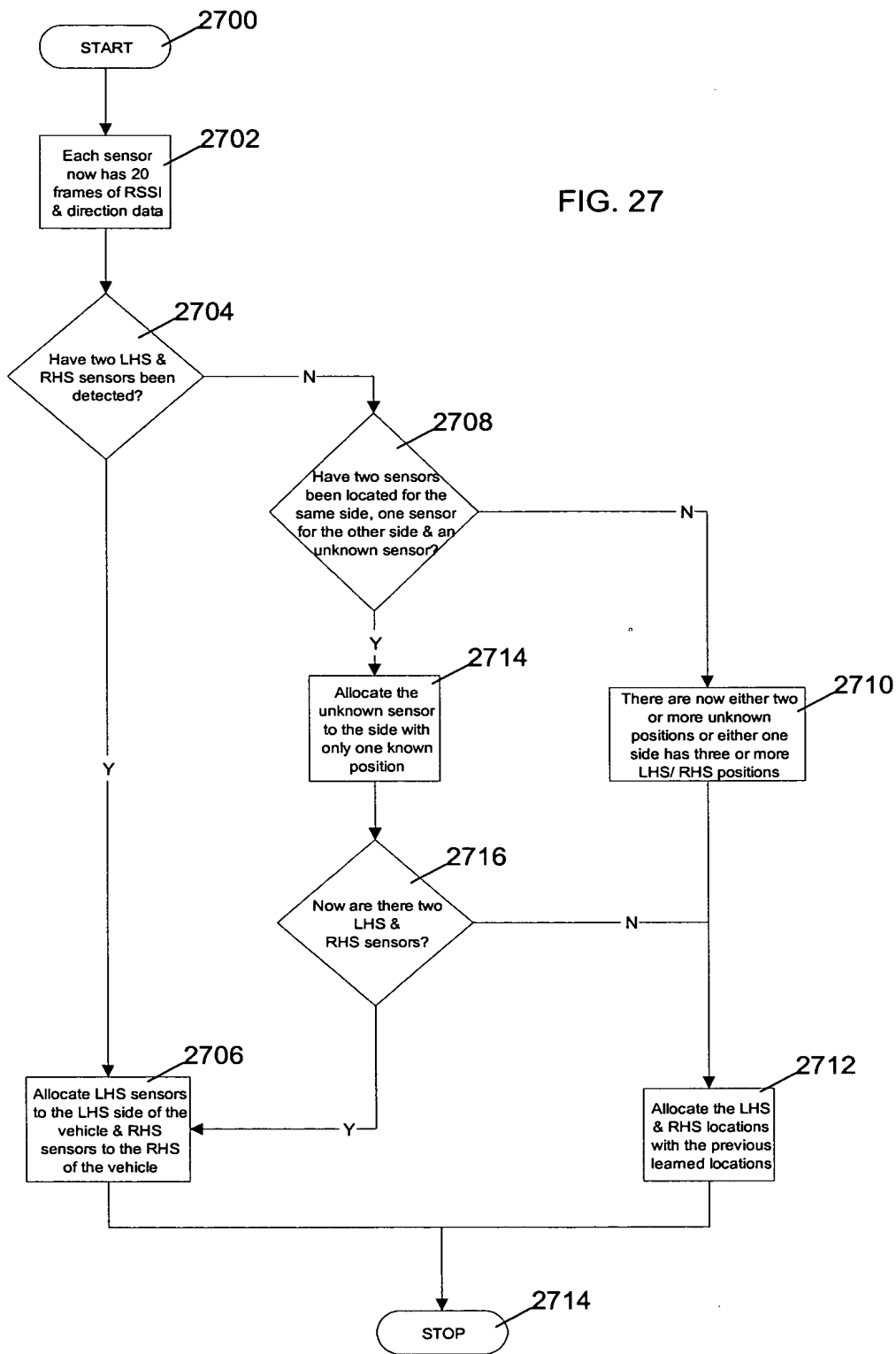


FIG. 28

